



Catalog: OM215153

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# NEDD4 Antibody (C-term)

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☐ 100ug

## Product profile

Product name	NEDD4 Antibody (C-term)
Antibody Type	Primary Antibodies

## Key Feature

Clonality	Polyclonal
Isotype	Ig
Host Species	Rabbit
Tested Applications	WB ,IHC ,FC
Species Reactivity	Human
Concentration	1 mg/ml
Purification	

## Target Information

Gene Synonyms	KIAA0093, NEDD4-1
Alternative Names	NEDD4; KIAA0093; NEDD4-1; E3 ubiquitin-protein ligase NEDD4; Cell proliferation-inducing gene 53 protein; Neural precursor cell expressed developmentally down-regulated protein 4
Molecular Weight(MW)	149114 Da
Function	<p>E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates Involved in the pathway leading to the degradation of VEGFR- 2/KDFR, independently of its ubiquitin-ligase activity Monoubiquitinates IGF1R at multiple sites, thus leading to receptor internalization and degradation in lysosomes Ubiquitinates FGFR1, leading to receptor internalization and degradation in lysosomes. According to PubMed:18562292 the direct link between NEDD4 and PTEN regulation through polyubiquitination described in PubMed:17218260 is questionable. Involved in ubiquitination of ERBB4 intracellular domain E4ICD. Involved in the budding of many viruses. Part of a signaling complex composed of NEDD4, RAP2A and TNK1 which regulates neuronal dendrite extension and arborization during development. Ubiquitinates TNK2 and regulates</p>

## EGF-induced degradation of EGFR and TNF2

### Tissue Specificity

This NEDD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 977~1007 amino acids from the C-terminal region of human NEDD4.

### Cellular Localization

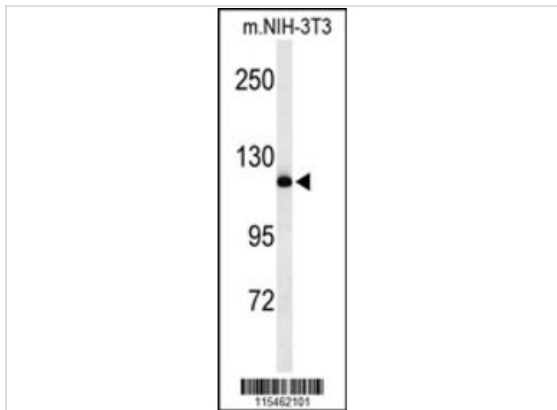
Cytoplasm (By similarity). Cell membrane; Peripheral membrane protein (By similarity). Note=Recruited to the plasma membrane by GRB10. Once complexed with GRB10 and IGF1R, follows IGF1R internalization, remaining associated with early endosomes. Uncouples from IGF1R-containing endosomes before the sorting of the receptor to the lysosomal compartment (By similarity). May be recruited to exosomes by NDFIP1

## Database Links

Entrez Gene

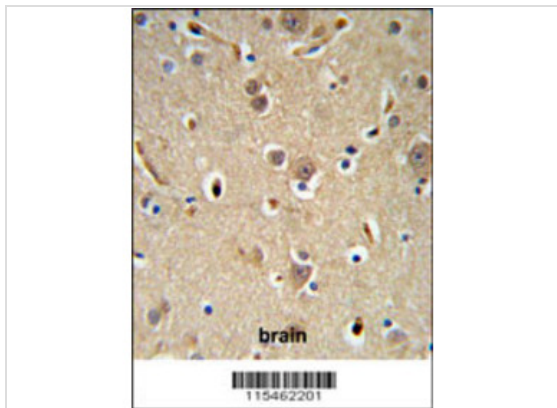
4734

## Application



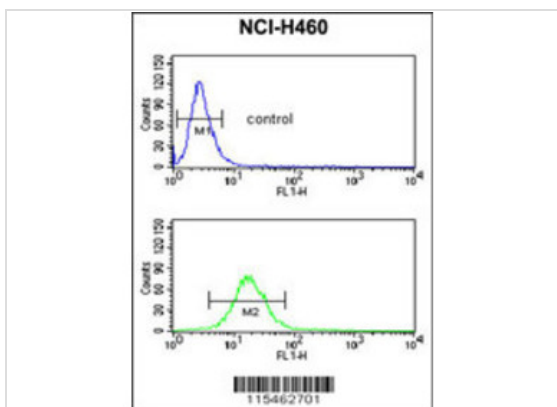
### Application

Western blot analysis of NEDD4 Antibody (C-term) in mouse NIH-3T3 cell line lysates (35ug/lane). NEDD4 (arrow) was detected using the purified Pab.



### Application

NEDD4 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NEDD4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



### Application

NEDD4 Antibody (C-term) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Application Notes

WB~~1:50~100 IHC~~1:50~100 FC~~1:10~50:

## Additional Information

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Form	Liquid
Storage Instructions	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Storage Buffer	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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